

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
23 December 2004 (23.12.2004)

PCT

(10) International Publication Number
WO 2004/111142 A1

- (51) International Patent Classification⁷: **C09D 167/00**
- (74) Agent: **M.M.H.J. SCHMEETZ**; DSM Intellectual Property, P.O. Box 9, NL-6160 MA Geleen (NL).
- (21) International Application Number:
PCT/NL2004/000411
- (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 10 June 2004 (10.06.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
03076908.7 18 June 2003 (18.06.2003) EP
- (84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant (*for all designated States except US*): **DSM IP ASSETS, B.V.** [NL/NL]; Het Overloon 1, NL-6411 TE Heerlen (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **BELDER, Eimbert, Gerrit** [NL/NL]; Ankerweg 20, NL-8042 EX Zwolle (NL). **URMANOVA, Antonia** [BG/NL]; Tichelmeesterlaan 22, NL-8014 LB Zwolle (NL). **BOLKS, Jurjen** [NL/NL]; Philidorstraat 14, NL-8031 VW Zwolle (NL). **GEHRELS, Coenraad, Maarten** [NL/NL]; Alm 14, NL-8032 BL Zwolle (NL).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: A POWDER PAINT COMPOSITION

(57) Abstract: The present invention relates to a powder paint composition comprising at least (a) a thermosetting polymer having functional groups capable of reacting with β -hydroxyalkylamide units (b) a compound comprising β -hydroxyalkylamide units and (c) a deceleration agent, capable of reversibly blocking the functional groups of polymer (a). The deceleration agent is present in an amount sufficient to block at least 9 % of the total amount of functional groups of polymer (a). The present invention relates also to the use of a specific amine compound as a deceleration agent in a powder paint composition.



WO 2004/111142 A1